Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/28/2017 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124989	-1	1.59	124964	1.55
Blue	F	SSC	125000	123138	-2	3.64	123389	3.48
Blue	E	FITC	23615	22851	-4	2.64	1022	10.45
Blue	D	PE	26739	26218	-2	2.22	943	10.07
Blue	B	PerCP-Cy5-5	48339	47424	-2	3.77	1365	17.10
Blue	A	PE-Cy7	45021	44534	-2	5.51	700	35.58
Red	C	APC	53064	52568	-1	2.79	3017	9.43
Red	A	APC-Cy7	57175	56420	-2	2.89	1206	11.15
Violet	B	V450	14728	14224	-4	4.94	670	9.48
Violet	A	V500	58621	57399	-3	4.72	2539	7.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18797	2.39	606	-8	N/A	N/A	Pass
Blue	F	SSC	60529	1.43	544	-2	N/A	N/A	Pass
Blue	E	FITC	108	40.27	542	-6	0.0198	108	Pass
Blue	D	PE	204	30.04	535	-1	0.1531	244	Pass
Blue	B	PerCP-Cy5-5	213	45.40	633	-2	0.0099	98	Pass
Blue	A	PE-Cy7	77	117.59	692	-1	0.0116	14	Pass
Red	C	APC	352	28.38	599	2	0.0208	126	Pass
Red	A	APC-Cy7	133	39.97	580	0	0.0055	1766	Pass
Violet	B	V450	83	43.10	460	-10	0.0498	2314	Pass
Violet	A	V500	183	22.87	488	-9	0.0141	326	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.87	-31.34	0.98
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	17.68	14.40 - 21.60	N/A	N/A	31.18	31.60	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9729

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments